

# MEMO

**Date:** December 20, 2005

**To:** Transportation Conformity Working Group (TCWG)

**From:** Jessica Kirchner, Associate Regional Planner, (213)236-1983, [kirchner@scag.ca.gov](mailto:kirchner@scag.ca.gov)

**Subject:** Riverside County TCM Replacement

---

## SUMMARY

Riverside County Transportation Commission (RCTC) is submitting a request on behalf of the City of Corona for the replacement of a Transportation Control Measure (TCM). The procurement of three expansion busses (RTIP ID: RIV010511) for Corona's fixed-route bus way is delayed due to lack of demand on the current route. Based on City of Corona projections, it is anticipated that demand will not be sufficient to warrant the proposed expansion for another three to five years. Therefore, RCTC is proposing a 60 space park-and-ride lot in the City of Corona as a replacement for this TCM. The proposed park and ride will be operational in early 2006. Based on demand information provided by RCTC and SCAG's emissions analysis, SCAG has determined that the proposed park-and-ride lot will provide adequate emissions benefits to replace the existing TCM. In addition, the proposed replacement meets the requirements, as outlined by the Transportation Conformity Working Group, for a TCM replacement.

## BACKGROUND

The 2004 RTIP included project ID RIV010511 which consisted of three expansion busses for the City of Corona fixed-route bus way (Green Line). This project is a TCM and has a completion date in the 2004 RTIP of December 31, 2006. Due to insufficient ridership on the Green Line the City of Corona does not see the need to expand service for another three to five years. Therefore, it is necessary to replace the TCM.

The proposed TCM replacement includes leasing a 60 space park-and-ride lot in the City of Corona. The park-and-ride would primarily serve local residents car or bus-pooling in or out of Riverside County. The emissions analysis below demonstrates the benefits of the proposed TCM replacement as compared to the existing three bus procurement.

## ANALYSIS

### *Three Expansion Vehicles*

The average Green Line trip length would be 3.03 miles with approximately 12,634 trips.

### *Carpool/Vanpool Park and Ride (60 spaces)*

The average trip length would be approximately 24.5 miles (assuming Corona to Orange County) with approximately 22,656 trips.

# MEMO

**VTM/Emissions Reductions (pounds per year)**

	<b>VTM</b>	<b>ROG</b>	<b>CO</b>	<b>NOx</b>	<b>PM10</b>
Green Line (3 bus procurement)	38,281	41.2	395.5	84.8	4.1
Park and Ride	555,072	597.6	5735.1	1229.7	59.0

Based on SCAG's analysis, the proposed park-and-ride would provide significantly greater emissions reductions.

## **TCM REPLACEMENT SUMMARY**

**Interagency Consultation.** Interagency consultation is scheduled at SCAG's publicly noticed Transportation Conformity Working Group meeting on December 20, 2005.

**Equivalent Emissions Reduction.** As demonstrated the proposed TCM replacement provides for significantly more emissions reductions than the original TCM.

**Similar Geographic Area.** Both projects are located within the City of Corona and would primarily serve Corona residents.

**Full Funding.** The proposed project will be funded with local Measure A funds to support, implement and maintain the park-and-ride.

**Similar Time Frame.** The proposed project will be operational by December 2006, the proposed completion date of the original TCM.

**Timely Implementation.** The replacement project will be monitored through TCM Timely Implementation Reports that SCAG submits to FHWA.

**Legal Authority.** RCTC has full legal authority to implement and operate the replacement project.

**SCAG Review and Adoption.** The replacement TCM will be presented to SCAG's Transportation and Communications Committee in February of 2006 with Regional Council review and adoption. These meetings will be publicly noticed.

**Implementation Commitment.** The replacement project will be added to the RTIP through an administrative amendment.

**Attachment:** Riverside County request for replacement and supporting documentation.

# RCTC Corona Park-and-Ride TCM Substitution Request for Corona's 3 Expansion Buses



Corona Criuser Summary Passenger Trips				
Fiscal Year	Passenger Trips	Annual Change %	Fixed Route Lines	Notes
FY 2001*	13,560	N/A	Green & Blue Lines	While Corona's passenger trips have continued to increase, the annual net growth rate from year to year has not sustained the previous year growth changes indicating ridership is clsing in on demand saturation. In FY 2003, Corona discontinued the Green line due to poor performance and replaced it with the better performing Red line.
FY 2002	43,356	219.73%	Green & Blue Lines	
FY 2003	102,687	136.85%	Red and Blue Lines	
FY 2004	142,062	38.34%	Red and Blue Lines	
FY 2005	162,423	14.33%	Red and Blue Lines	
FY 2006*	150,628	-7.26%	Red and Blue Lines	
* FY 01 initiated service and was provided for only 5 months. Extrapolating service over full 12 months would equal about 32,544 trips. The net change between FY 01 and 02 would then only be 33.22% growth.				
* FY 06 trips are a 12 month projection based on 5 months of actual trip data.				

Corona Criuser Passenger Trips by Corresponding Line					
Fiscal Year	Corona Criuser Passenger Trips by Line			Total	Notes
	Blue Line	Green Line	Red Line		
FY 2001*	10,305	3,255	N/A	13,560	In FY 2003, Corona discontinued the Green line due to poor performance and replaced it with the Red line. The FY 2002 passenger trips supported the Green line being discontinued because it would have performed at less than 25% of the performance needed to meet the fare box ratio.
FY 2002	30,722	12,634	N/A	43,356	
FY 2003	37,445	N/A	65,242	102,687	
FY 2004	48,412	N/A	93,650	142,062	
FY 2005	66,603	N/A	95,820	162,423	
* FY 2001 initiated service and provided service for 5 months for this year					

## Summary of Line Changes:

1. Corona's original plan was to initiate 3 lines of service (Blue, Green and Red lines)
2. Corona initiated Phase 1 of service in FY 2001 by implementing the Blue and Green lines.
3. Three expansion buses were estimated to be needed for the third line.
4. Over a 17 month period the Green line performed poorly resulting in it being discontinued in FY 2003.
5. Corona implemented the Red line in FY 2003.
6. Working with RTA, RTA modified their routes to add service which over time also negated a further need for Corona to implement a third line and purchase the three expansion buses.
7. In 2003 Corona had three lines of fixed route transit service. As of 2005, there are now 6: 2 by Corona and 4 by RTA.

## TCM Substitution Benefits Analysis:

Green line passenger trips saved from SOV use = **12,634** (based on the 2001 actual trip data)

Passenger trips anticipated to be saved by the Corona Park-and-Ride lot (at 1114 W. Ontario Ave) are as follows:

Number of spaces = 60. Projected use =80% (or 48 spaces). Number of days spaces will be used 5 days/week (business work days). Each space occupied = 2 passenger trips saved

5 work days/week x 52 weeks = 260 days. Subtract 24 days for holidays and vacations = 236 days.

**48 spaces x 236 days x 2 passenger trips = 22,656 passenger trips saved from the park-and-ride lot as compared to 12,634 from 3 buses for the Green line.**

**Corona Cruiser Red and Blude Line Fixed Route Vehicle Inventory**

Year	Manufacturer	Model	Seats	Vehicle
1998	Goshen	Sentry	18	1
1998	Goshen	Sentry	18	1
1999	Goshen	Sentry	18	1
1999	Goshen	Sentry	18	1
1999	Goshen	Sentry	18	1
Total Number of Vehicles:				5

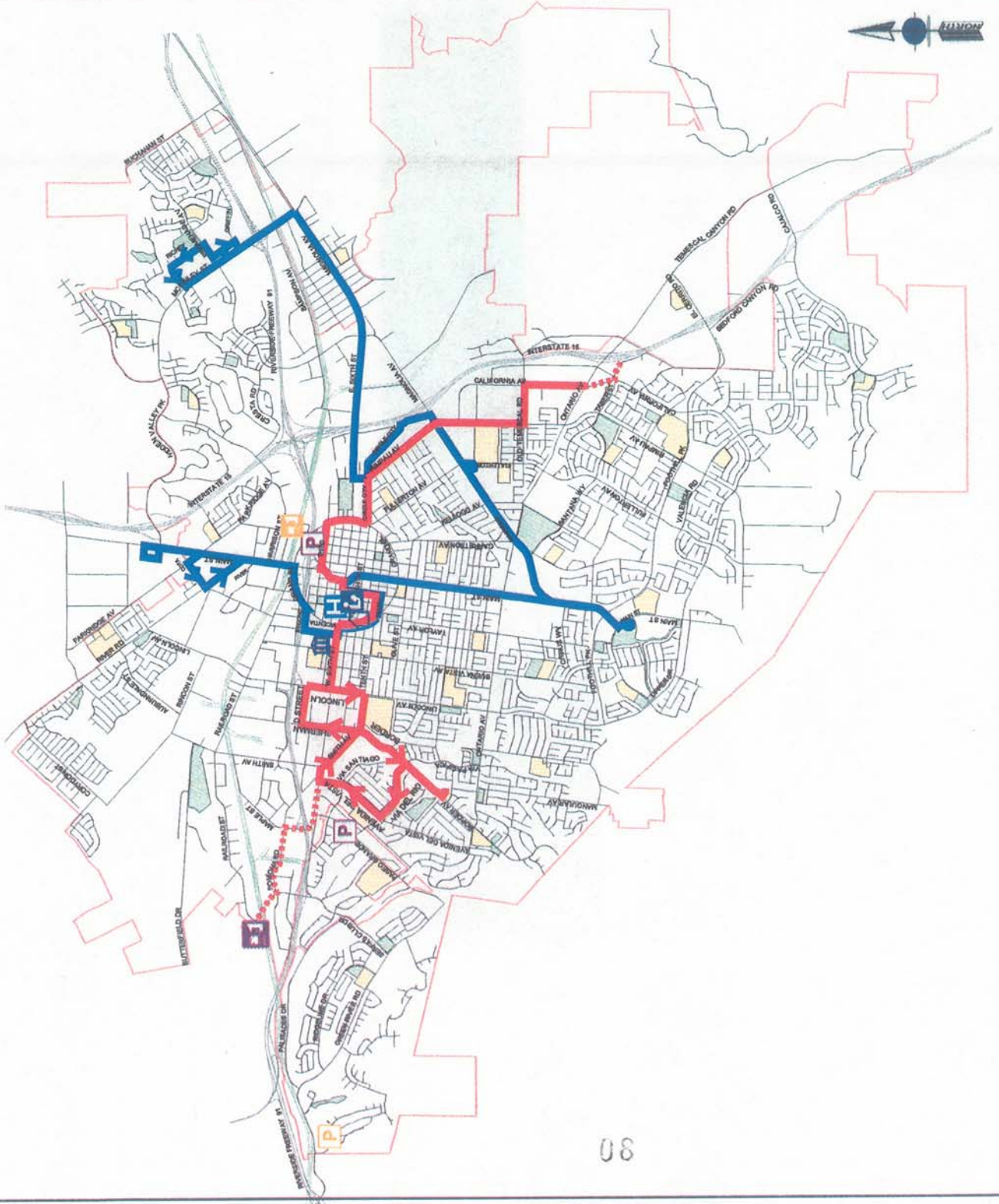
# City of Corona Proposed Cruiser Routes Effective July 1, 2002



## Transportation Information Numbers

**Riverside Transit Agency**  
1-800-800-7821  
**Norco Dial-A-Ride**  
1-800-795-7887  
**Corona Cruiser**  
909-734-9418  
**Corona Dial-A-Ride**  
909-734-7220  
**Metrolink Trains**  
1-800-371-LINK (5465)  
1-800-898-4833 (4 TDD)  
**Inland Empire Commuter Services**  
Advantage Rideshare  
909-341-9230  
**Club Ride Commuter Exchange**  
1-800-464-3576  
**Commuter Connection**  
1-800-COMMUTE (1-800-266-6883)  
1-800-975-POOL (1-800-975-7665)

Park and Ride Lots	Proposed Park and Ride	Metrolink Station	Proposed Metrolink Station Completion December 2002	Proposed Red Route	Proposed Blue Route
BNSF Railroad	Streets	Freeway	City Parks	Schools	City of Corona
City Hall	Hospital	Library	Senior Center		





# City of Corona Existing Cruiser Routes



## Transportation Information Numbers

Riverside Transit Agency

1-800-800-7821

Norco Dial-A-Ride

1-800-795-7887

Corona Cruiser

909-734-9418

Corona Dial-A-Ride

909-734-7220

Metrolink Trains

1-800-371-LINK (5466)

1-800-698-4833 (4 TOD)

Inland Empire Commuter Services  
Advantage Rideshare

909-341-9230

Club Ride Commuter Exchange

1-800-464-3576

Commuter Connection

1-800-COMMUTE (1-800-286-6883)

1-800-975-POOL (1-800-975-7665)



Park and Ride Lots



Proposed Park and Ride



Metrolink Station



Proposed Metrolink Station  
Completion December 2002



Cruiser Green Route



Cruiser Blue Route



BNSF Railroad

Streets

Freeway

City Parks

Schools

City of Corona



City Hall



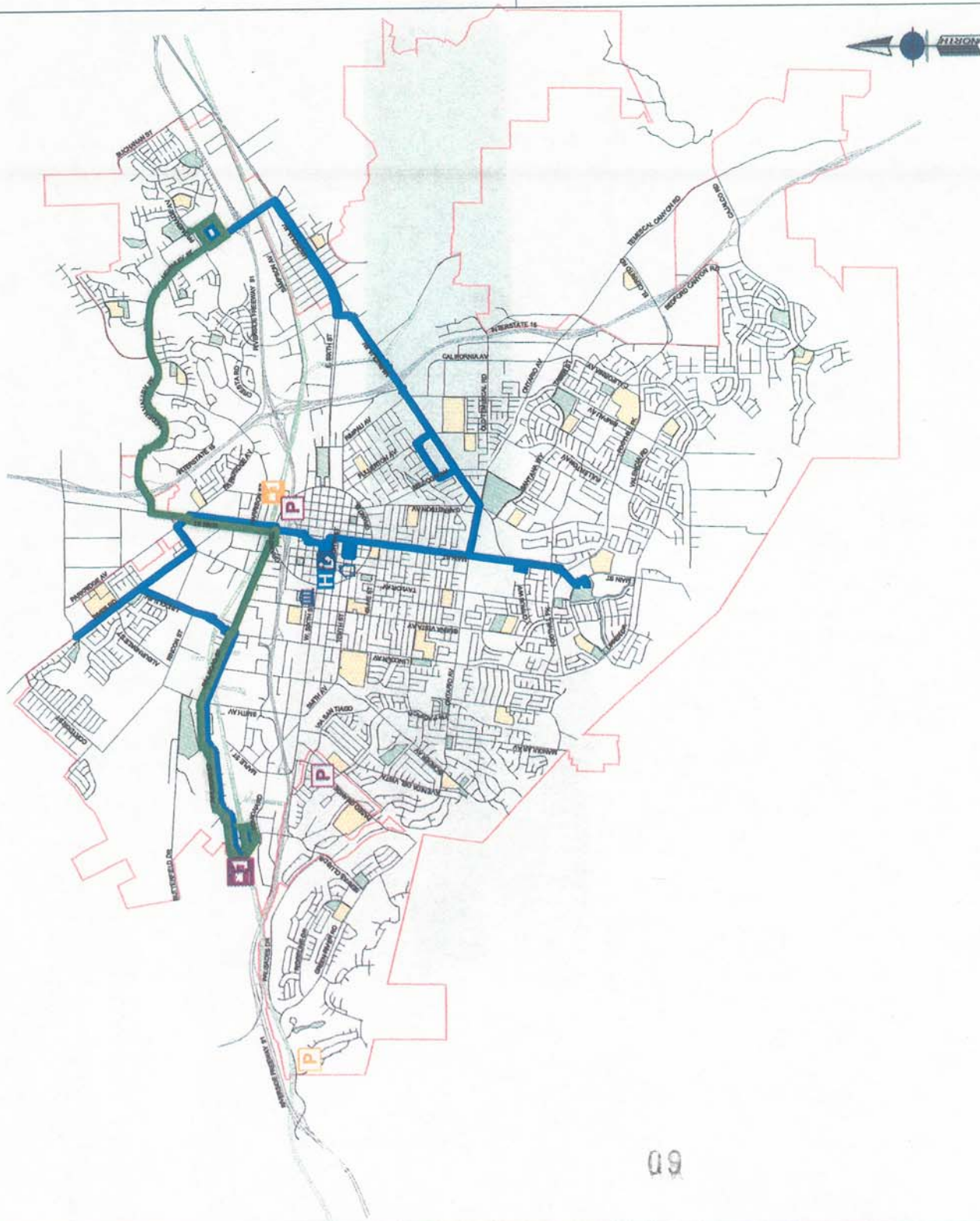
Hospital



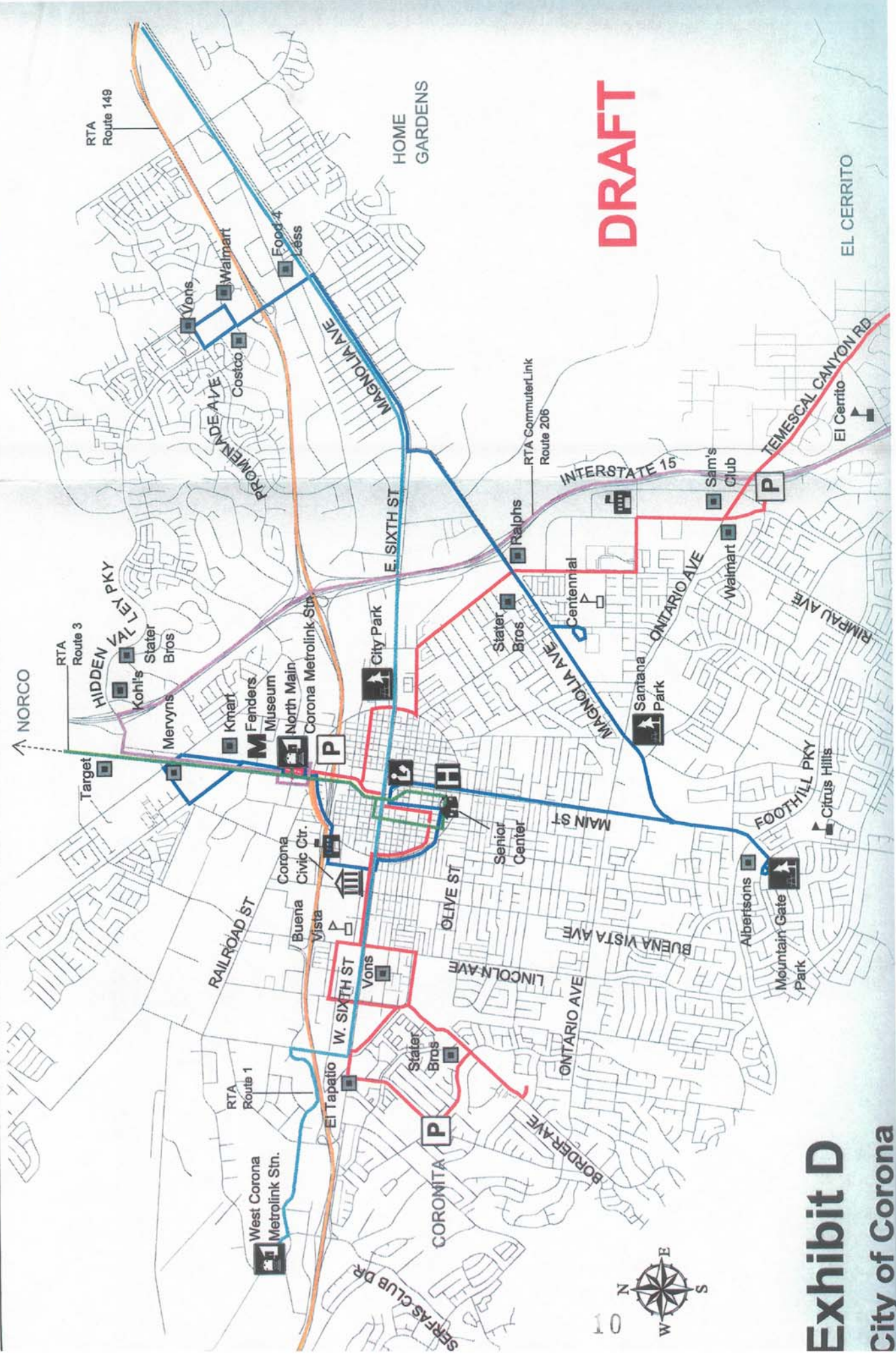
Library



Senior Center







DRAFT

# Exhibit D

City of Corona





**Riverside County  
Transportation Commission**

*Riverside County Regional Complex  
4080 Lemon Street, 3rd Floor • Riverside, California  
Mailing Address: Post Office Box 12008 • Riverside, California 92502-2208  
Phone (951) 787-7141 • Fax (951) 787-7920 • [www.rctc.org](http://www.rctc.org)*

November 30, 2005

Sylvia Patsaouras  
Manager, Environmental Planning Division  
Planning and Policy Department  
Southern California Association of Governments  
818 West Seventh St, 12<sup>th</sup> Floor  
Los Angeles, CA 90017

Re: RCTC TCM Project Substitution Request for the City of Corona

Dear Sylvia:

RCTC is submitting a TCM project substitution request on behalf of the City of Corona for their existing three expansion bus procurement project (RTIP ID RIV010511). The project has been delayed due to insufficient ridership demand to implement a new third fixed route in the City of Corona. Corona's present demand analysis indicates that ridership for a third route may not materialize for another three to five years. When sufficient and sustained ridership becomes evident, Corona will again move forward to implement a third route. The three expansion buses will then be added to their Short Range Transit Plan and funding via 5307, TDA4, or other funds will be made available to procure the buses.

As a suitable substitute, we are submitting a new 60 space park-and-ride lot that will be implemented in the City of Corona during early 2006. RCTC requests that SCAG staff evaluate the park-and-ride lot benefits as a TCM substitute for Corona's three bus procurement project.

Presently, the park-and-ride lot is not programmed in the 2004 RTIP. RCTC will use local Measure A funds to support, implement, and maintain the new park-and-ride lot. The location of the park-and-ride lot is in the Corona area and will provide direct benefits to Corona residents. Please direct any questions concerning this request to Shirley Medina or Ken Lobeck at (951) 787-7141.

Sincerely,

Cathy Bechtel  
Division Head, Planning

cc: Jessica Kirchner

Attachments:

1. RIV010511 RTIP TIP Sheet
2. TCM Substitution Overview



# SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

2006 Federal TIP (FY 2006/2007 - 2011/2012)

Print Date: 11/23/20

Final County Tip

SORT: BY SOURCE

Project ID RIV010511

## PROJECT REPORT

All Transit  
County: All

<b>System T</b>	<b>Lead Agency CORONA</b>	<b>Amend # 0</b>
<b>Route 0</b>	<b>Source/FTIP 06FTIP</b>	<b>Basin SCAB</b>
<b>Post Mile 0.00</b>	<b>Env. Doc. CE</b>	<b>Model # T317</b>
<b>to 0.00</b>	<b>TCM Y</b>	<b>Change Reason C/O 2004</b>
<b>Element 2</b>	<b>County RIVERSIDE</b>	<b>Completion Date 12/31/06</b>
<b>Program BUN93</b>	<b>Description:</b>	

CITY OF CORONA -- PURCHASE 3 EXPANSION VEHICLES FOR A NEW (THIRD) FIXED ROUTE

Yr Added 2001

Fund Name	YEAR	Eng. Cost	R/W Cost	Cons. Cost	Fund Total
5307	2005/2006	420			Subtotal \$420
TDA4	2005/2006	87			Subtotal \$87
		\$0	\$0	\$507	
		<b>Total Cost:</b>			<b>\$507</b>

(Funds are in thousands of dollars)

### Comments:

C/O 2002 RTIP. Frequency/headways = Approx 50 minutes. Bus stops = 90, Fares: Regular=\$1.00, Students=\$0.75, Seniors/Disabled=\$0.50



## TCM Substitution Overview

### Existing RTIP TCM Project

RTIP ID: RIV010511  
Lead Agency: City of Corona  
Description: Purchase 3 Expansion Vehicles for a New (Third) Fixed Route  
Proposed Vehicles: 16-18 passenger medium sized buses

Project Status: During development of the recent FY 06 Short Range Transit Plan, Corona staff provided RCTC a status update that their latest ridership projections did not support a third line expansion and warrant the procurement of the three expansion vehicles at this time.

### Proposed Substitution Project

Project: Park and Ride Lot  
Lead Agency: RCTC  
Location: Faith Bible Church  
1114 W. Ontario Ave, Corona CA,  
Spaces: 60 spaces  
Projected Use: 80-90%  
Users: Car pools and van pools originating from the Corona area  
Implementation  
Date: By about February 2006  
Status: Completing lease agreement  
In RTIP: No  
RTP Consistency: Yes. Reference Commuter Assistance line item in the 2004 RTP, page I-161, "RCTC Commuter Assistance Program; Rideshare and Other Incentive Programs, TDM (Telecommute, Park and Ride, etc.)"

Signs to be installed by Caltrans:

- 5- Park & Ride signs with double arrows
- 2- Park & Ride signs with left arrows
- 2- Park & Ride signs with right arrows

